

Documenting NOAA Data

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This Procedural Directive establishes

1) a metadata content standard (International Standards Organization [ISO] 19115 Parts 1 and 2) and

2) a recommended representation standard (ISO 19139)

for documenting NOAA's environmental data and information.

New Documentation Needs

Third Inquiry Clears 'Climategate' Scientists of Serious Wrongdoing - Newsweek - Mozilla Firefox

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scandal?

Climategate, as attained mythical status, has now become a last year from the annals of the University of East Anglia, establish that global warming is a scientific conspiracy. What happened.

In November 2009, the documents and e-mail from the Climatic Research Unit (CRU) at the University of East Anglia (UEA) were not in doubt. His investigation concluded they did not subvert the peer review process to censor criticism and that key data was freely available and could be used by any "competent" researcher.

Sir Muir Russell, the senior civil servant who led a six-month inquiry into the affair, said the "rigour and honesty" of the scientists at the Climatic Research Unit (CRU) at the University of East Anglia (UEA) were not in doubt. His investigation concluded they did not subvert the peer review process to censor criticism and that key data was freely available and could be used by any "competent" researcher.

proven their theory of man-made global warming. "I've just journal] trick of adding in the real temps to each series for the (onwards) and from 1961 for Keith's to hide the decline," wrote messages that spanned 13 years, celebrated the death of a climate scientist who would censor papers that did not fit their

http://www.newsweek.com/index.html

Torsten Blackwood / AFP/Getty Images

Sang Tan/AP

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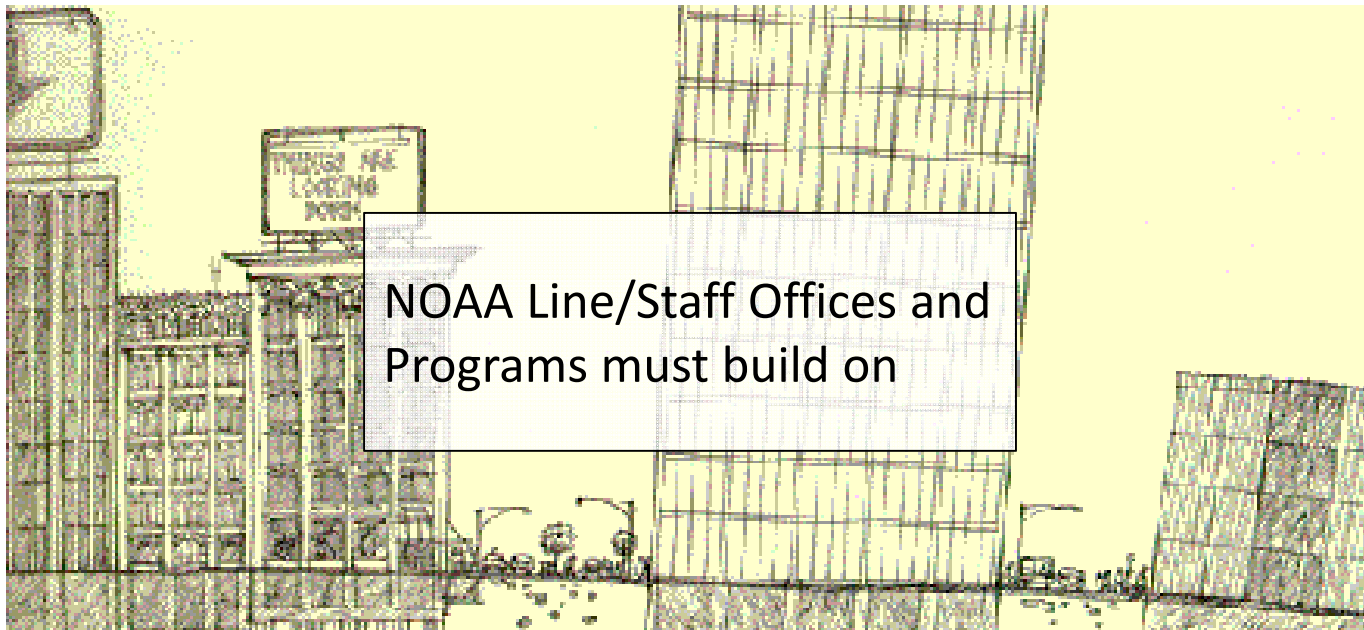
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Building the Foundation Across NOAA



NOAA Line/Staff Offices and Programs must build on

Develop and implement common
metadata management tools

Use rubrics to establish a
baseline and monitor progress

Promote and highlight
good examples

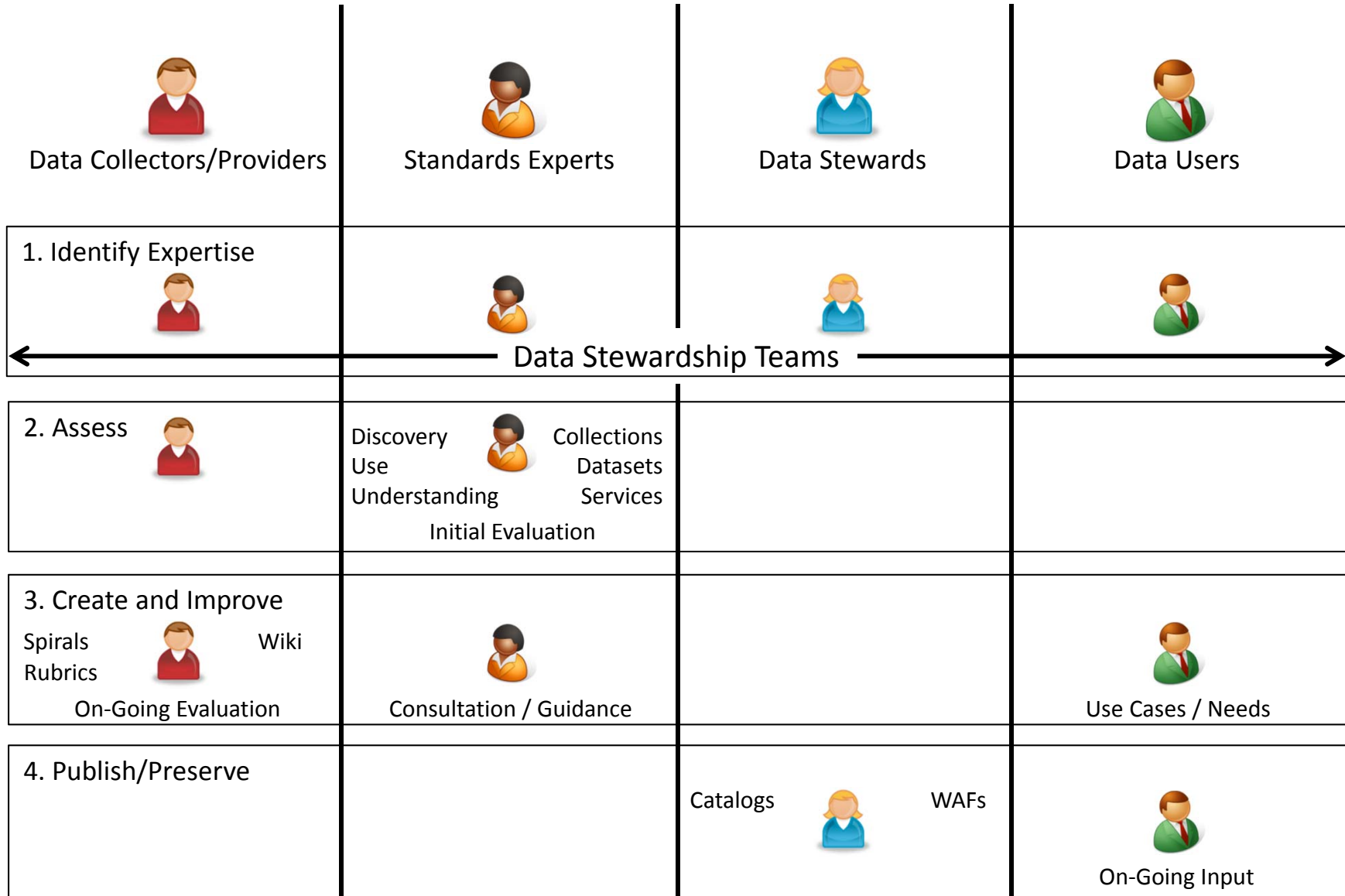
a strong foundation of support across all of NOAA

Support training specifically
targeted at improving NOAA's
data documentation

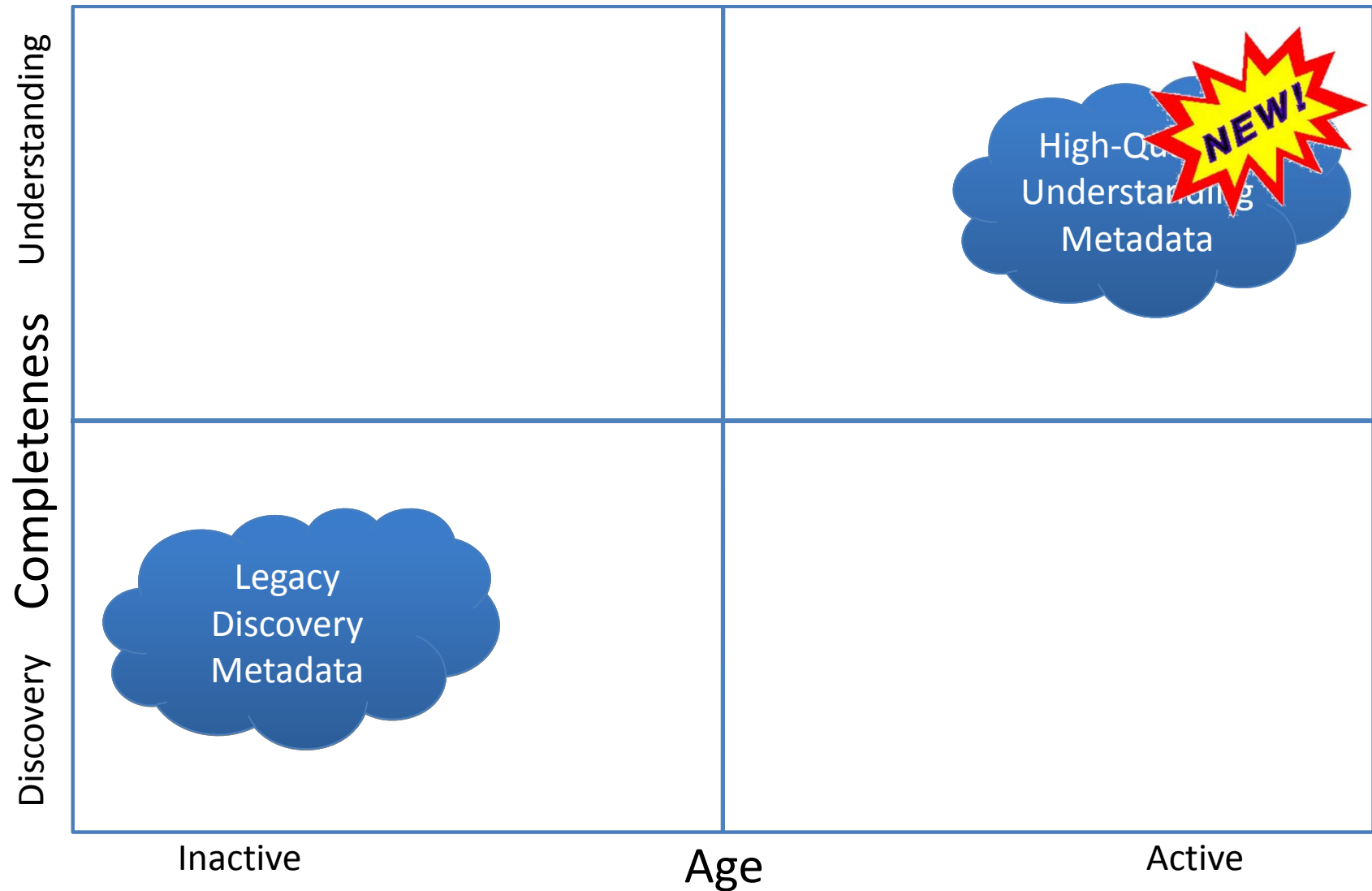
Initiate teams to work on
"special documentation
problems" that cross Line
and Staff Offices

Encourage and support
participation in the ISO and Open
Geospatial Consortium (OGC)

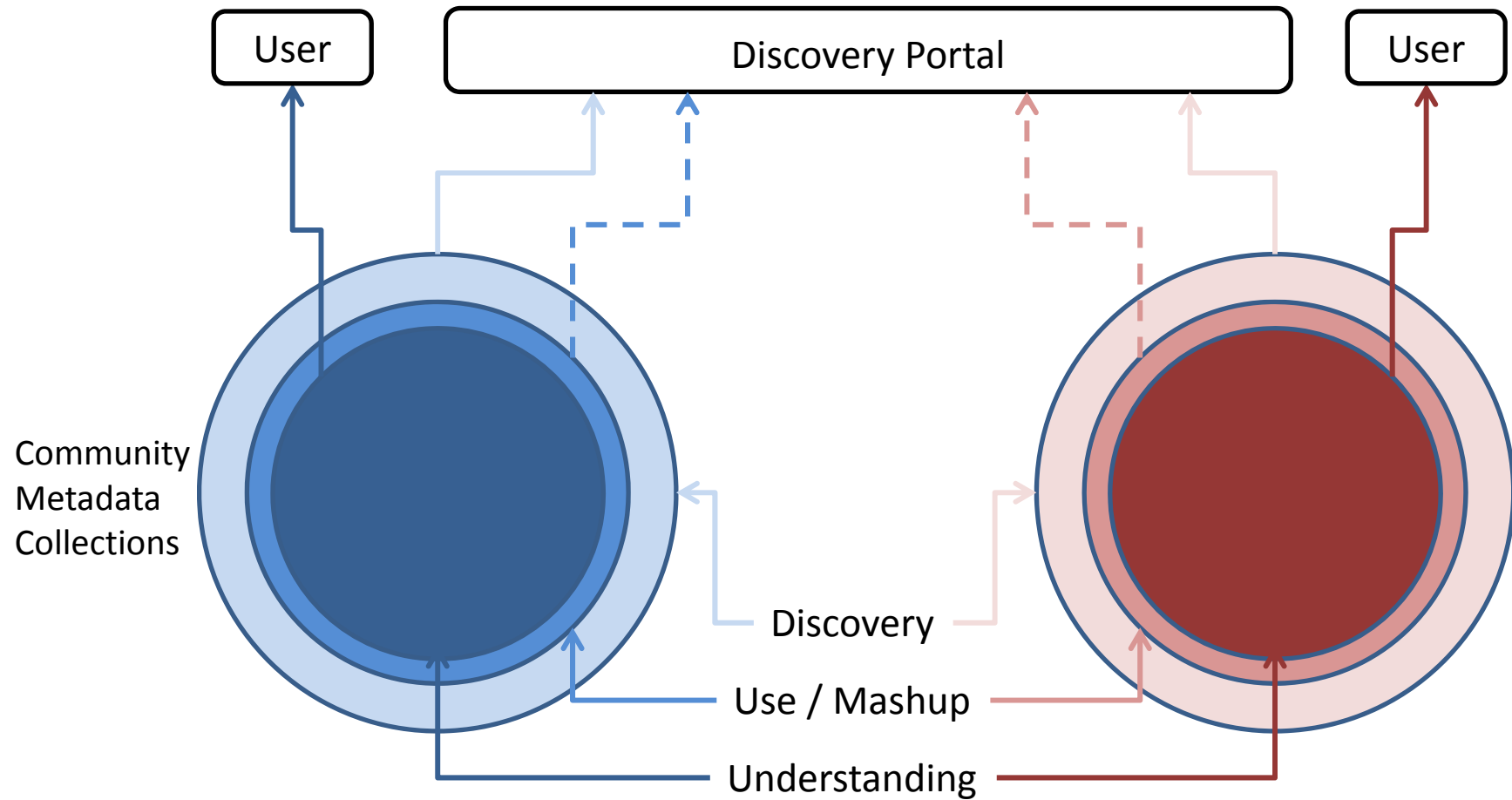
Line Office / Program Process



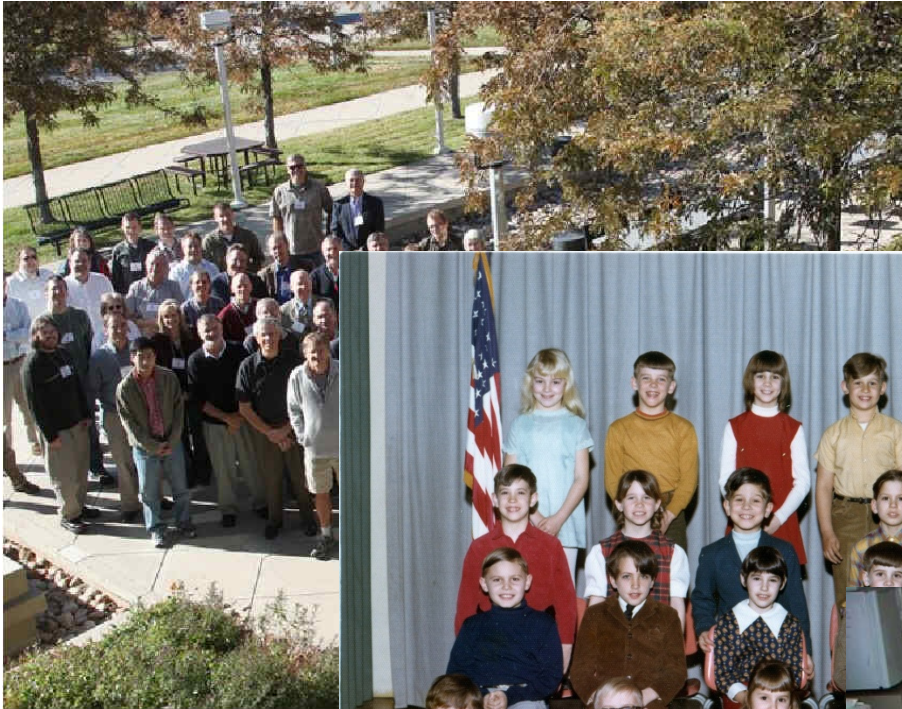
Assess and Improve



Metadata Types and Sharing



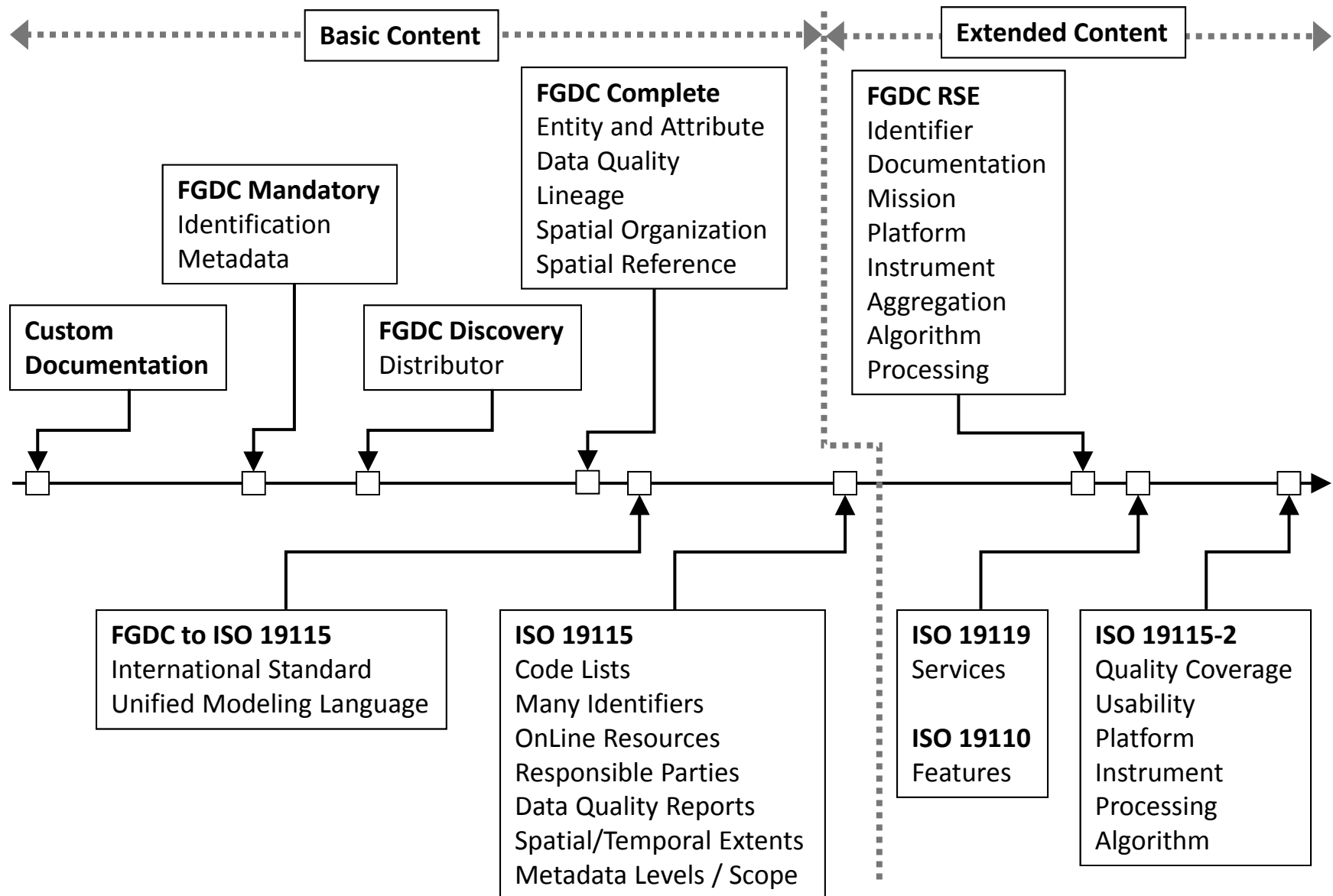
Designated Communities - Users



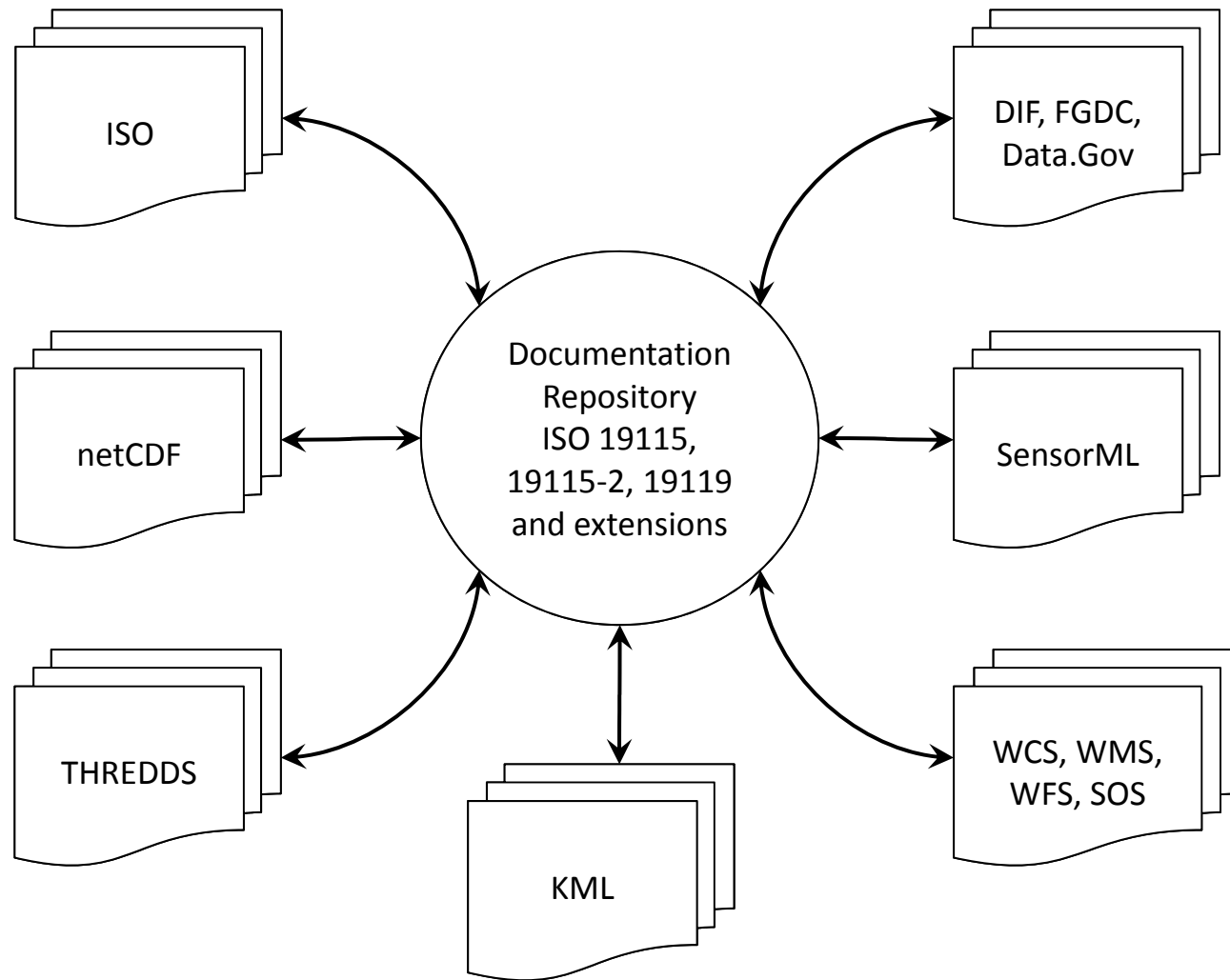
Data preservation is
communicating with the
future



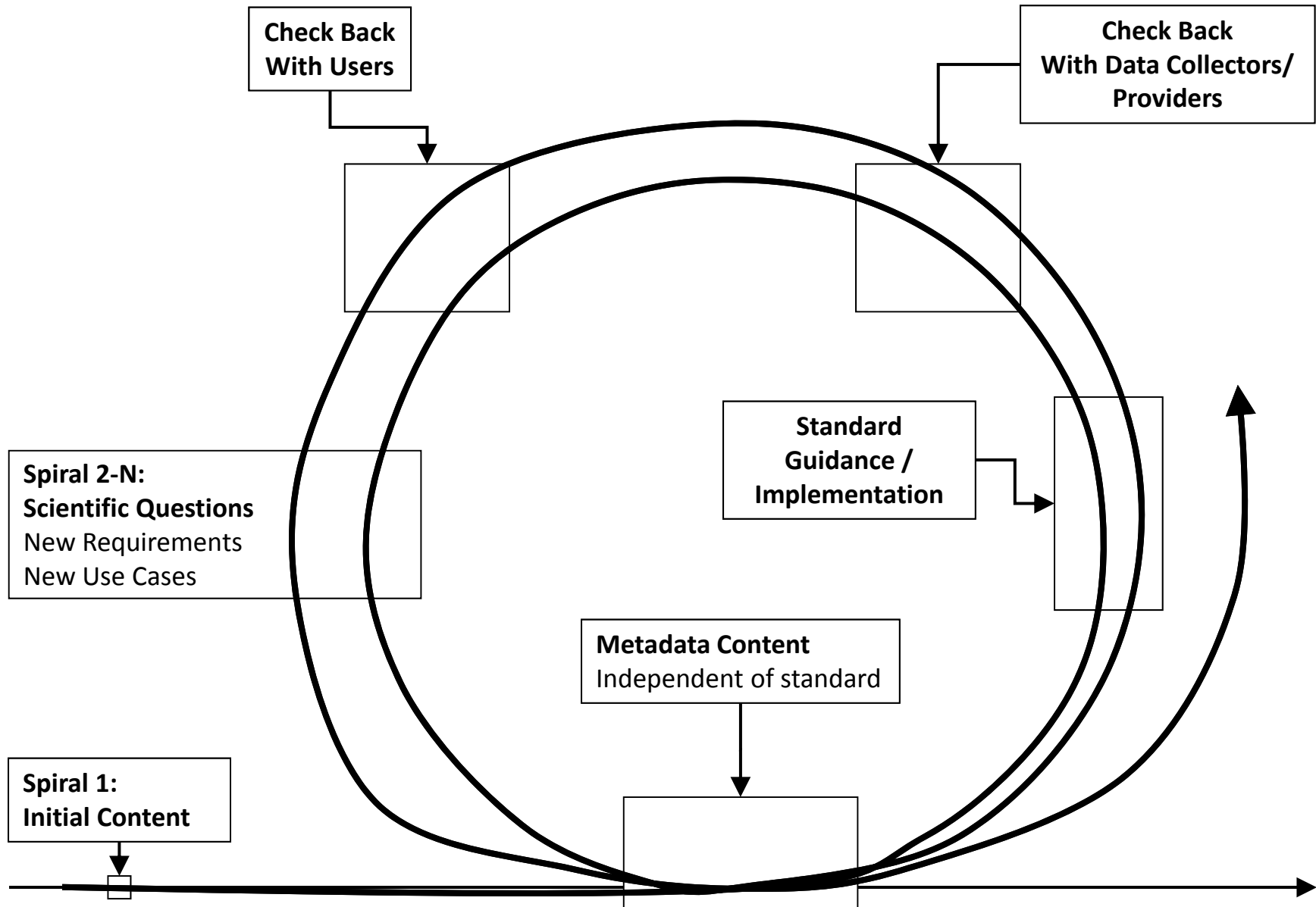
Standards Evolution



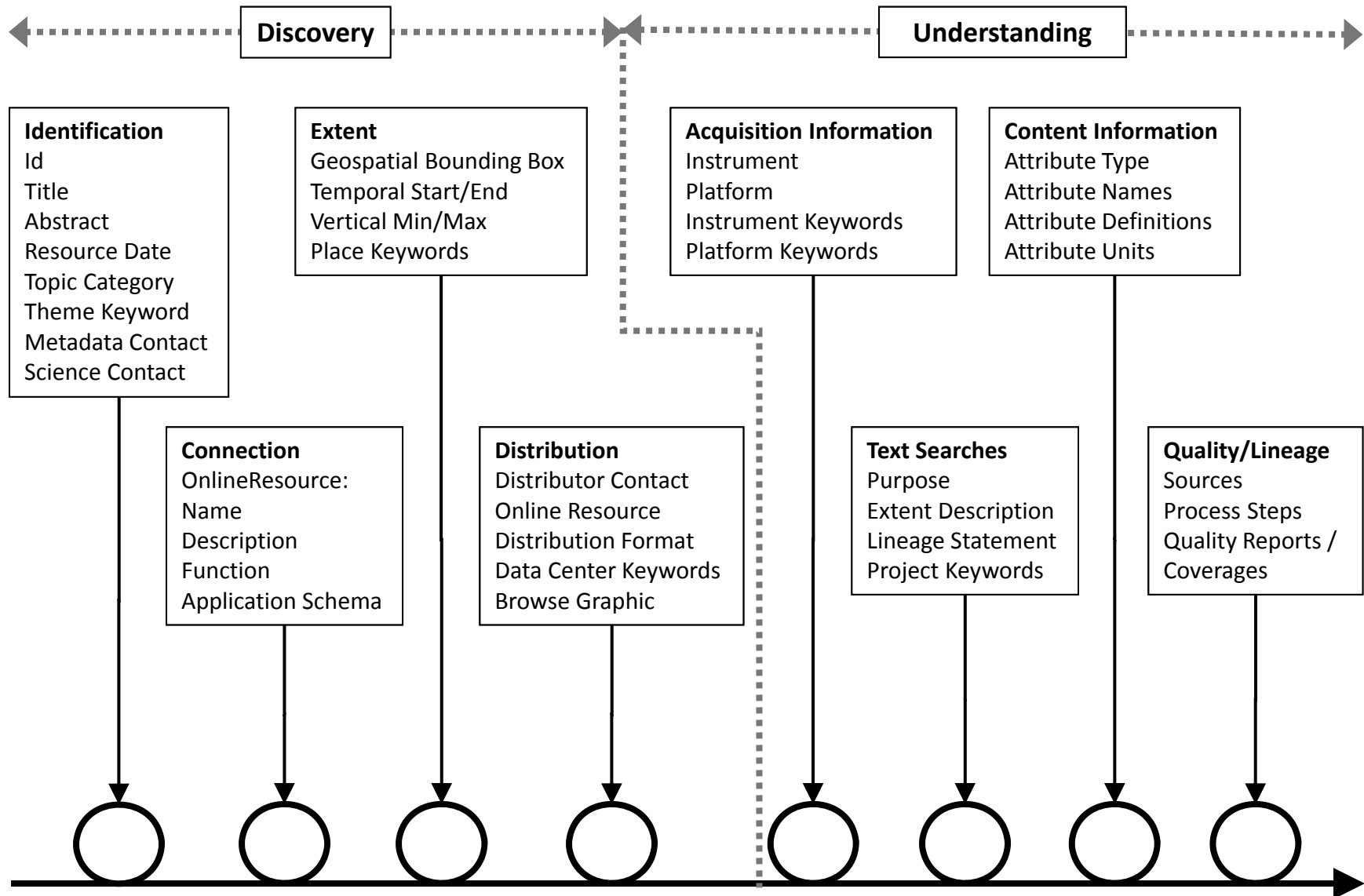
Multiple Dialects



Create and Improve Spirals



Potential Spirals



Spirals and Rubrics

Spiral	None	0-33%	34-66%	67-99%	All
Identification					
Collection					
Extraction					
Distribution					
Description					
Content					
Life					
Accession Information					

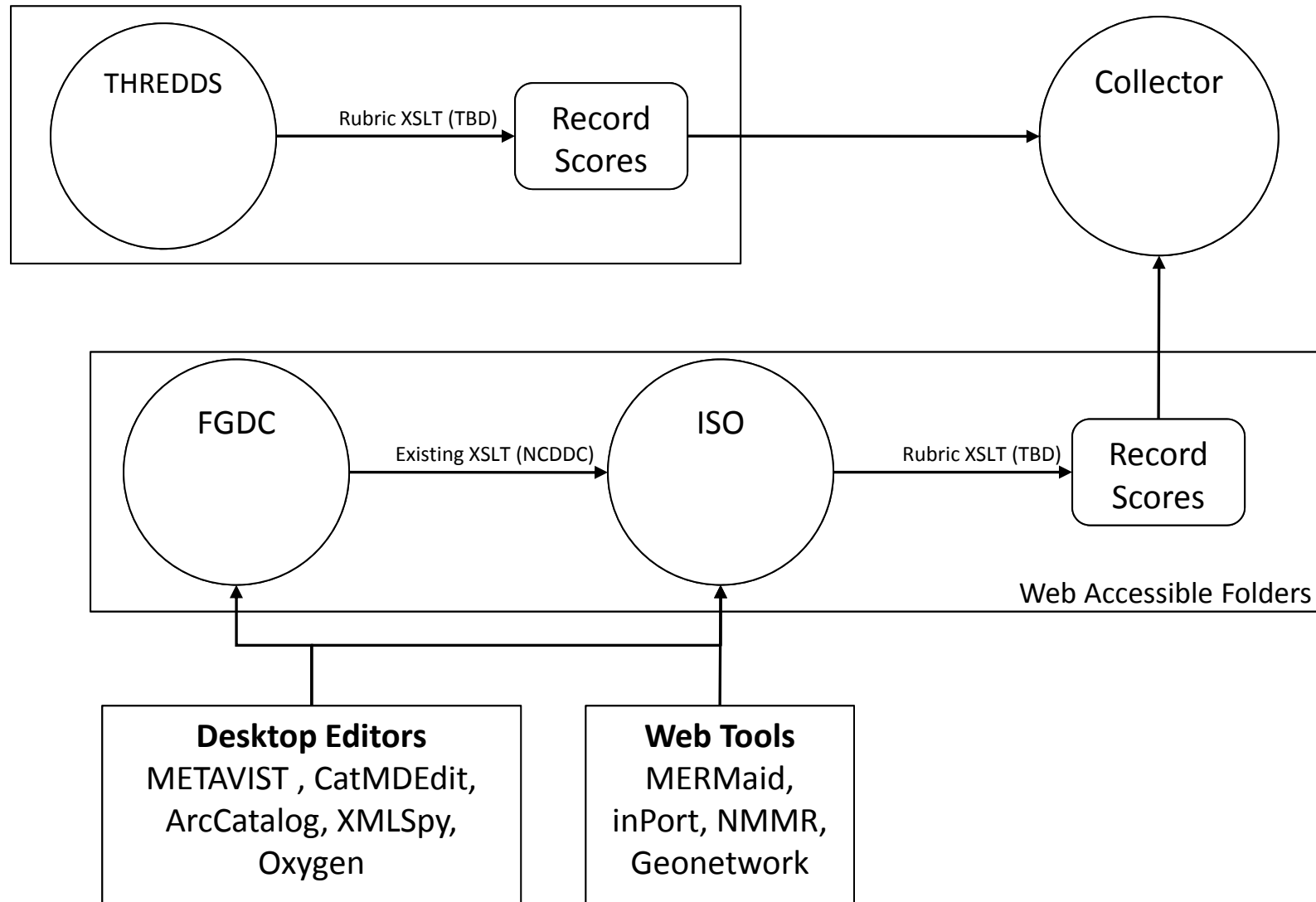
GOALS

Progress

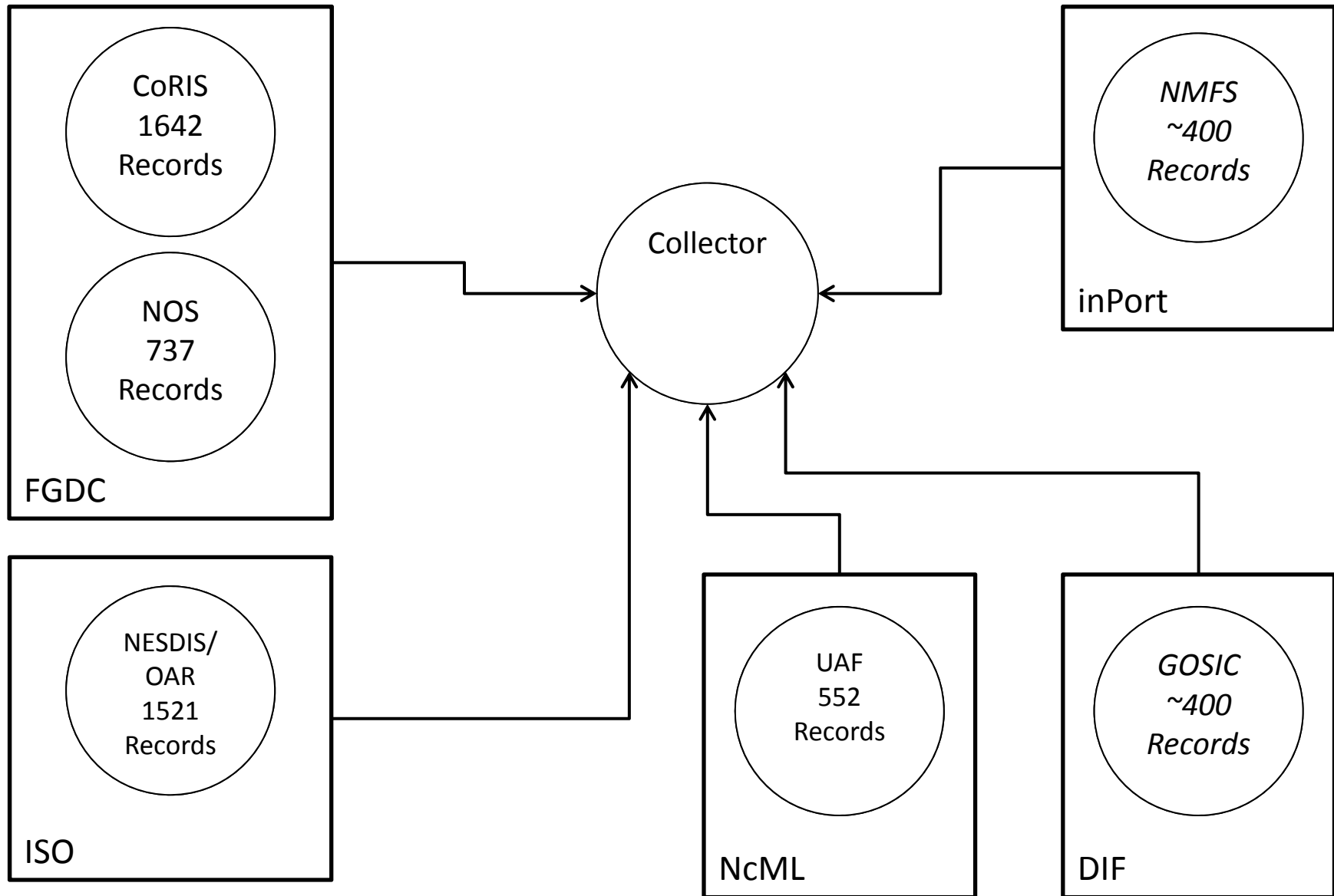
Metadata Evaluation for Dataset X
Date: 2012/08/14

Each record has a score that can be calculated using a consistent, standard tool

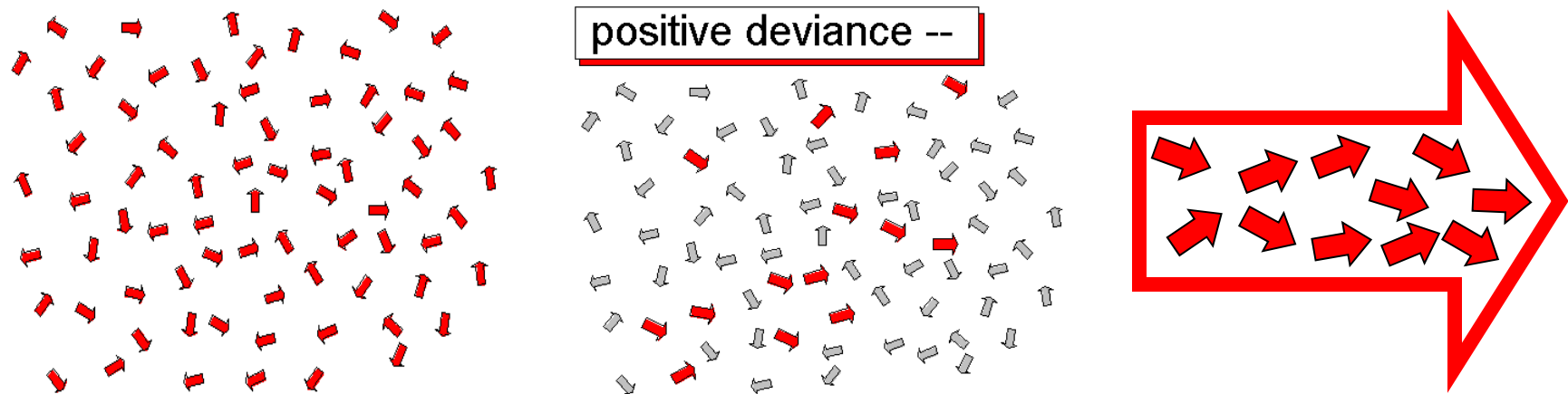
Metric Calculation System



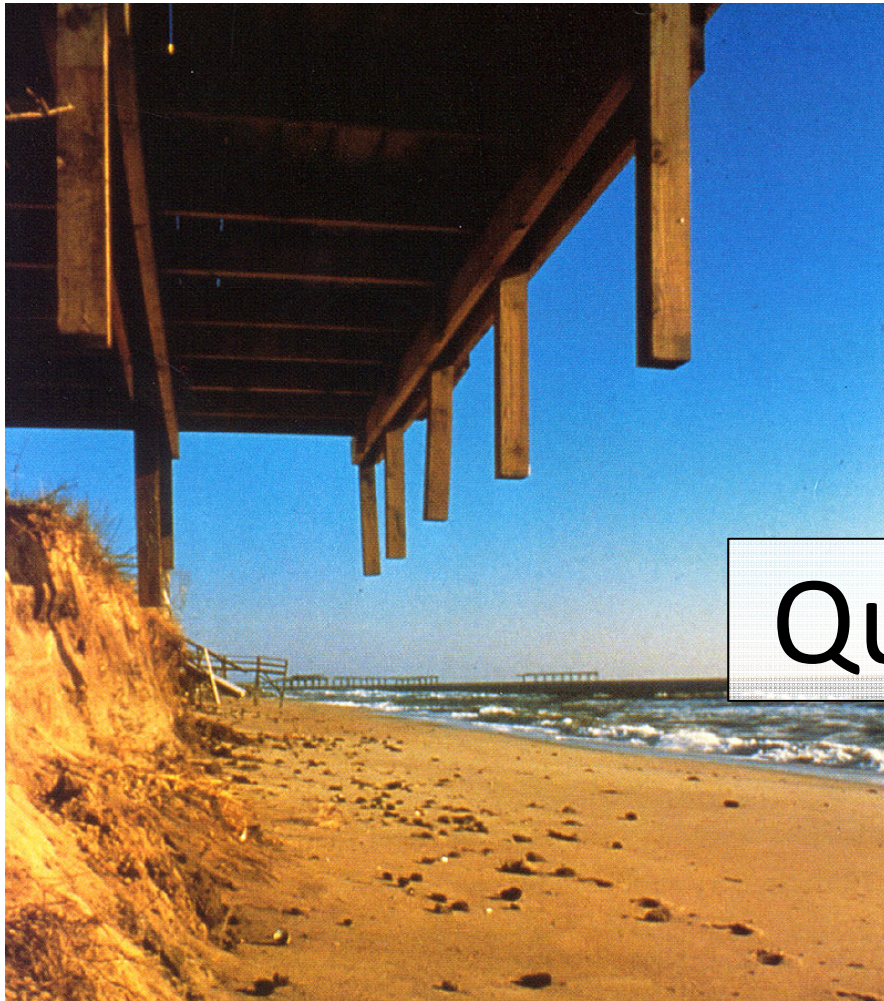
Current Test Cases



Leadership Model: Positive Deviance



Positive deviance says that if you want to create change, you must scale it down to the lowest level of granularity and look for people within the social system who are already manifesting the desired future state. **Take only the arrows that are already pointing toward the way you want to go, and ignore the others. Identify and differentiate those people who are headed in the right direction. Give them visibility and resources. Bring them together. Aggregate them.** *Barbara Waugh*



Questions?